

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
 Data File : BG022044.D
 Acq On : 23 May 2016 12:37
 Operator : UM/SJ
 Sample : H3086-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JHGF5

Quant Time: May 24 06:00:30 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 05:44:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	36431	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	191871	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	102343	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	188292	20.00	ng/ul	0.00
75) Chrysene-d12	21.81	240	174167	20.00	ng/ul	0.00
83) Perylene-d12	25.15	264	163279	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	3314	4.74	ng/uL	0.00
5) Phenol-d5	7.31	99	67239	20.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	38082	22.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	60890	22.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	56917	20.39	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	31628	22.35	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	33599	21.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	58596	21.67	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	57223	19.43	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	185877	24.18	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	248276	23.13	ng/ul	0.00
51) 4-Nitrophenol-d4	14.99	143	13820	10.44	ng/ul	0.00
57) Fluorene-d10	15.77	176	163037	22.65	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.89	200	14601	14.83	ng/ul	0.00
70) Anthracene-d10	17.63	188	215423	23.84	ng/ul	0.00
76) Pyrene-d10	19.90	212	226947	23.11	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.92	264	192591	25.42	ng/ul	0.00

Target Compounds

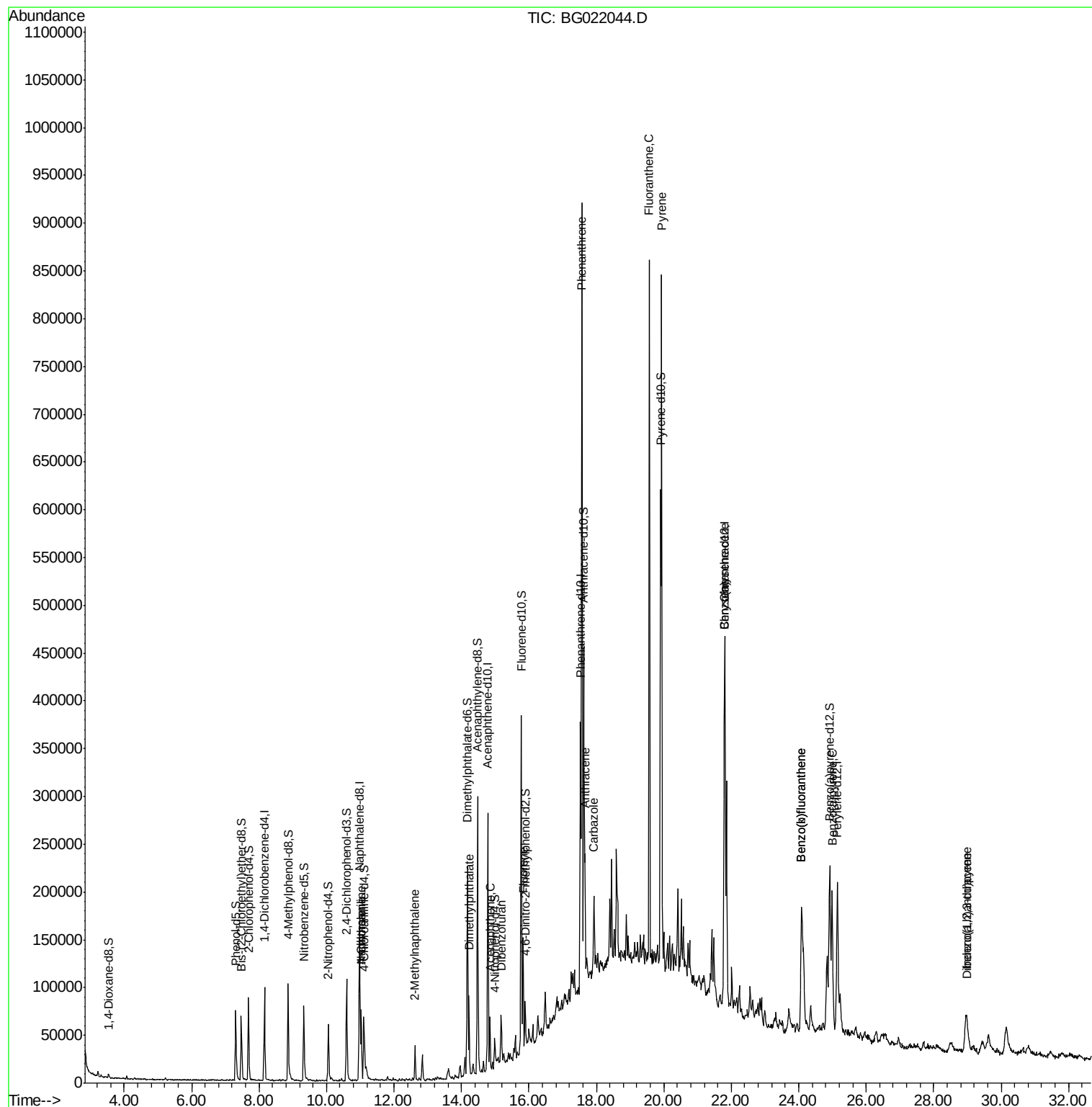
						Qvalue
28) Naphthalene	11.03	128	76974	7.91	ng/ul	98
30) 4-Chloroaniline	11.03	127	10297	3.48	ng/ul#	11
34) 2-Methylnaphthalene	12.62	142	22754	3.27	ng/ul	93
44) Dimethylphthalate	14.22	163	62735	8.12	ng/ul#	98
49) Acenaphthene	14.85	153	27398	3.63	ng/ul	98
53) Dibenzofuran	15.18	168	41168	4.41	ng/ul	97
58) Fluorene	15.83	166	55194	7.00	ng/ul	97
69) Phenanthrene	17.57	178	569572	54.38	ng/ul	98
71) Anthracene	17.66	178	100000	9.43	ng/ul	95
72) Carbazole	17.93	167	68241	7.42	ng/ul	99
74) Fluoranthene	19.57	202	482191	45.05	ng/ul	98
77) Pyrene	19.93	202	462163	37.71	ng/ul	98
80) Benzo(a)anthracene	21.79	228	166537	16.30	ng/ul	97
82) Chrysene	21.79	228	166537	17.00	ng/ul	95
85) Benzo(b)fluoranthene	24.08	252	237198	24.82	ng/ul#	95
86) Benzo(k)fluoranthene	24.08	252	237198	25.51	ng/ul#	91
88) Benzo(a)pyrene	24.99	252	149360	16.20	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	28.97	276	74853	7.08	ng/ul	99
90) Dibenzo(a,h)anthracene	29.01	278	10639	1.20	ng/ul	98

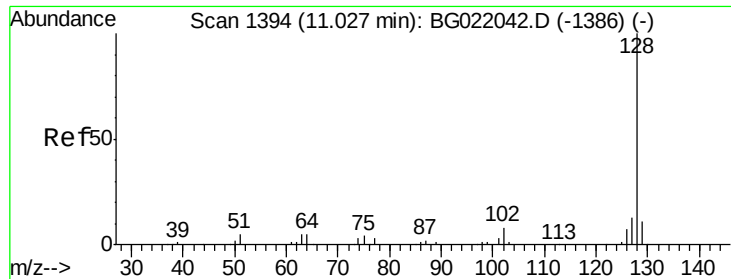
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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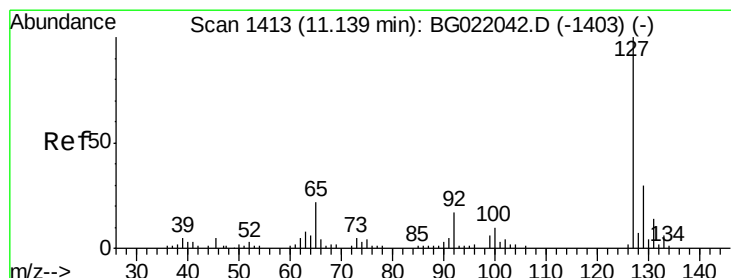
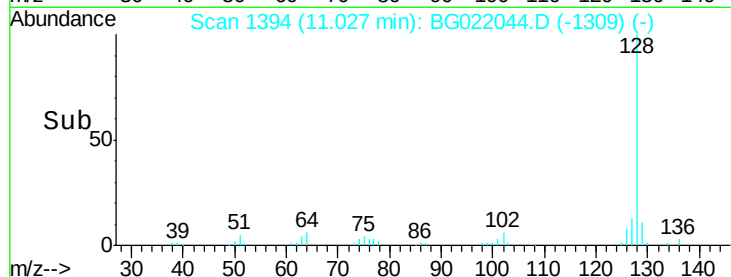
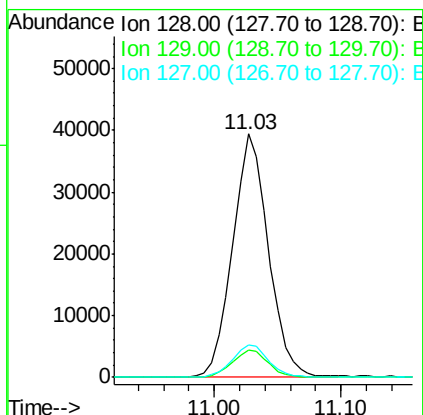
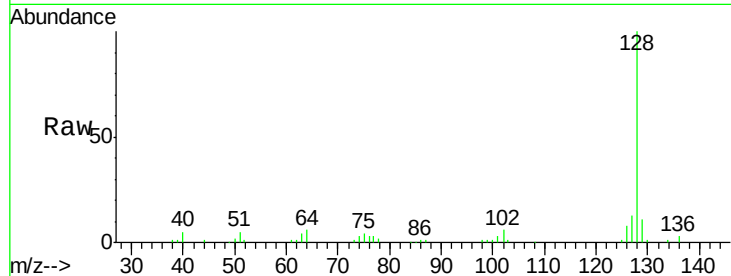




#28
Naphthalene
Concen: 7.91 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BG022044.D
Acq: 23 May 2016 12:37

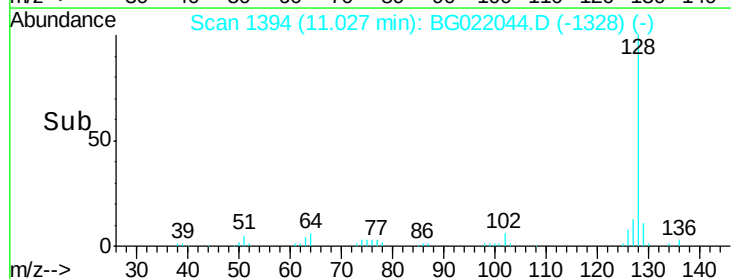
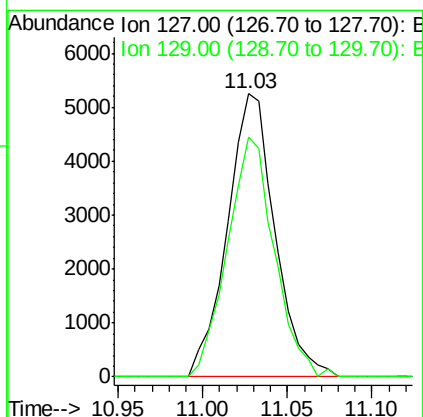
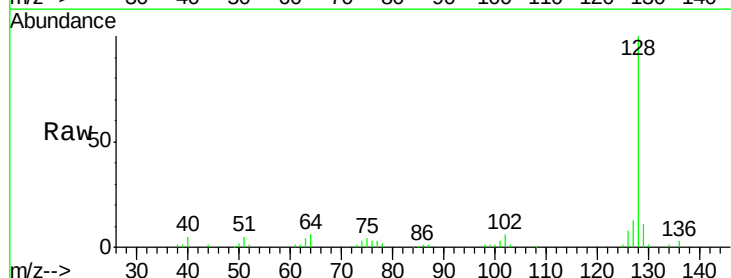
Instrument :
BNA_G
ClientSampleId :
JHGF5

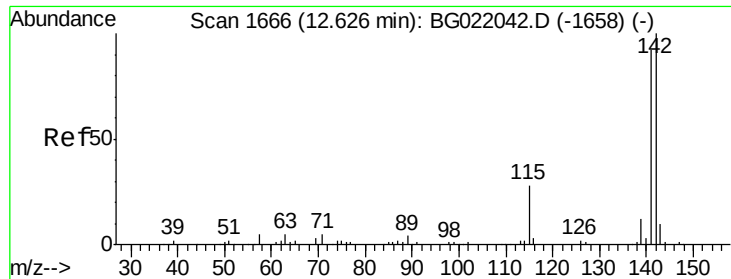
Tgt Ion:128 Resp: 76974
Ion Ratio Lower Upper
128 100
129 11.3 9.4 14.2
127 13.3 11.2 16.8



#30
4-Chloroaniline
Concen: 3.48 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.11 min
Lab File: BG022044.D
Acq: 23 May 2016 12:37

Tgt Ion:127 Resp: 10297
Ion Ratio Lower Upper
127 100
129 84.6 26.9 40.3#

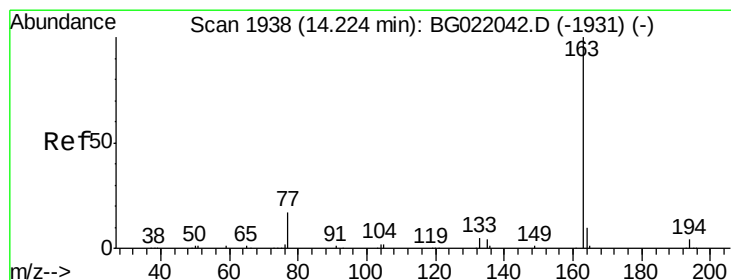
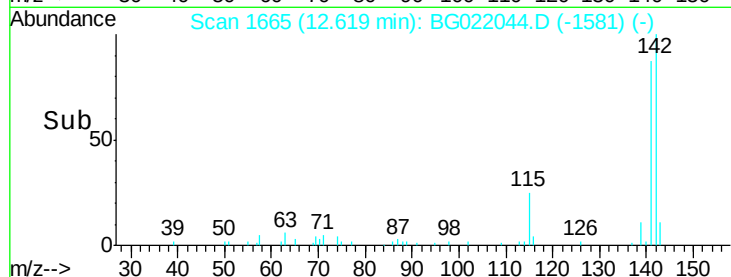
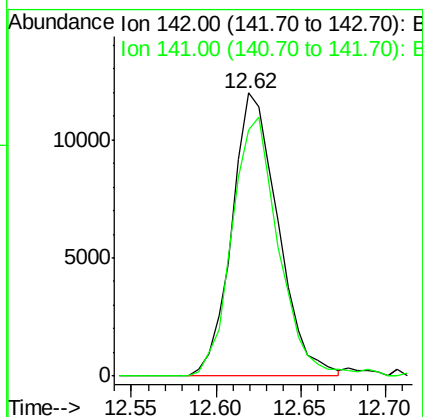
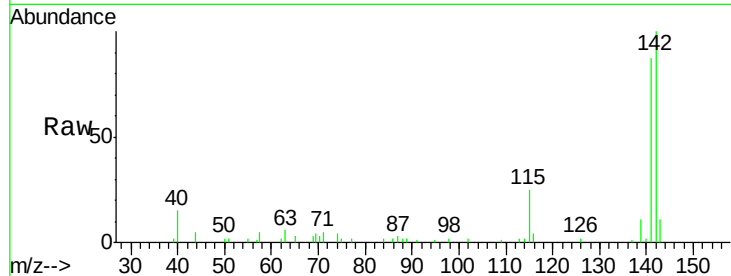




#34
 2-Methylnaphthalene
 Concen: 3.27 ng/ul
 RT: 12.62 min Scan# 1665
 Delta R.T. -0.01 min
 Lab File: BG022044.D
 Acq: 23 May 2016 12:37

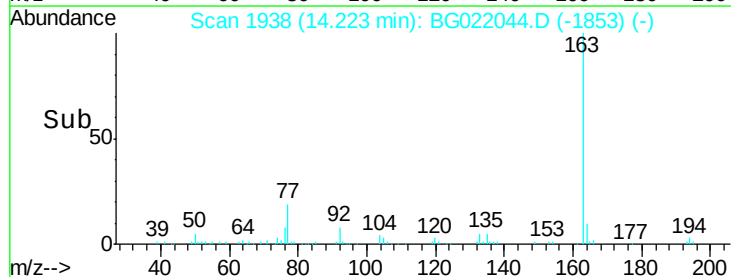
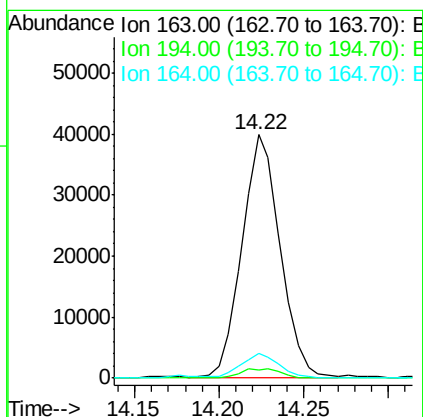
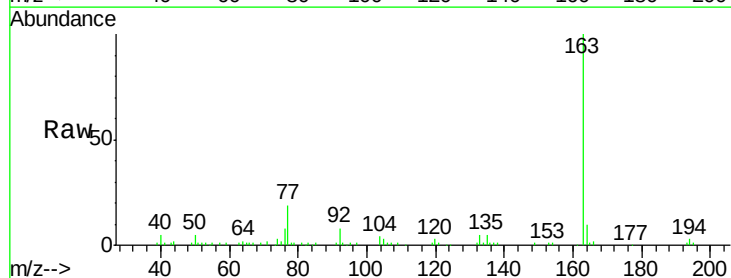
Instrument :
 BNA_G
 ClientSampleId :
 JHGF5

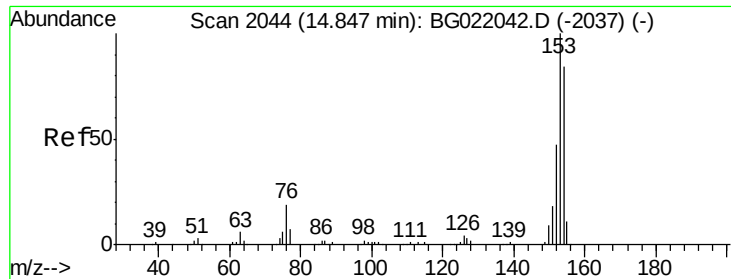
Tgt Ion:142 Resp: 22754
 Ion Ratio Lower Upper
 142 100
 141 87.0 75.2 112.8



#44
 Dimethylphthalate
 Concen: 8.12 ng/ul
 RT: 14.22 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: BG022044.D
 Acq: 23 May 2016 12:37

Tgt Ion:163 Resp: 62735
 Ion Ratio Lower Upper
 163 100
 194 3.4 3.4 5.2#
 164 10.4 8.8 13.2





#49

Acenaphthene

Concen: 3.63 ng/ul

RT: 14.85 min Scan# 2044

Delta R.T. -0.00 min

Lab File: BG022044.D

Acq: 23 May 2016 12:37

Instrument :

BNA_G

ClientSampleId :

JHGF5

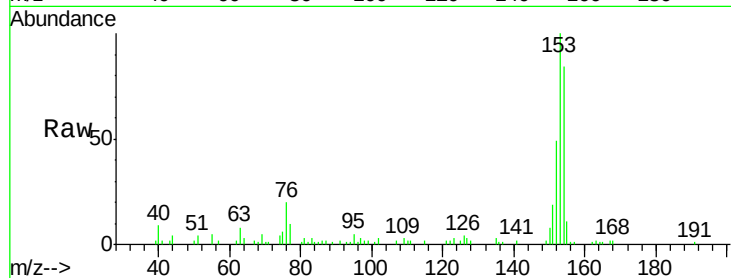
Tgt Ion:153 Resp: 27398

Ion Ratio Lower Upper

153 100

152 48.6 37.3 55.9

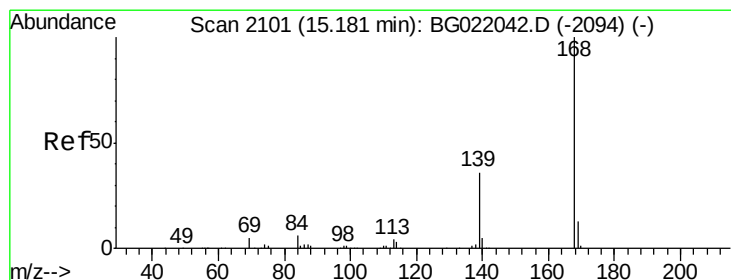
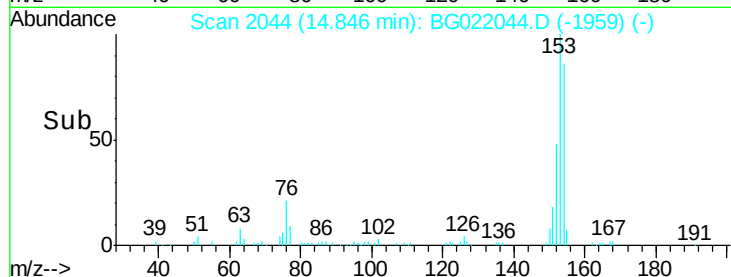
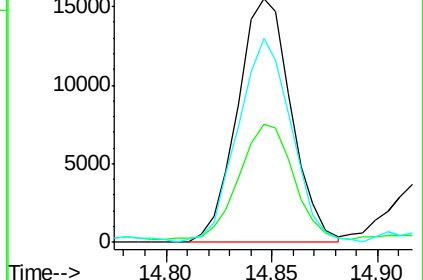
154 84.0 68.2 102.2



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 4.41 ng/ul

RT: 15.18 min Scan# 2101

Delta R.T. -0.00 min

Lab File: BG022044.D

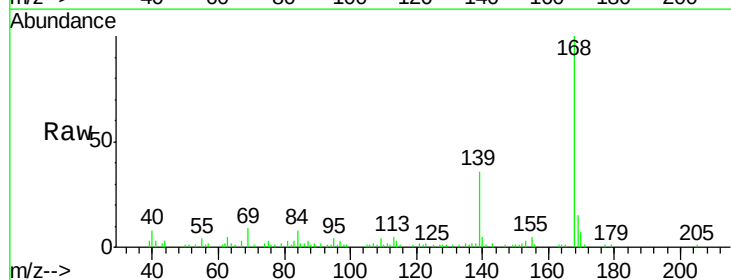
Acq: 23 May 2016 12:37

Tgt Ion:168 Resp: 41168

Ion Ratio Lower Upper

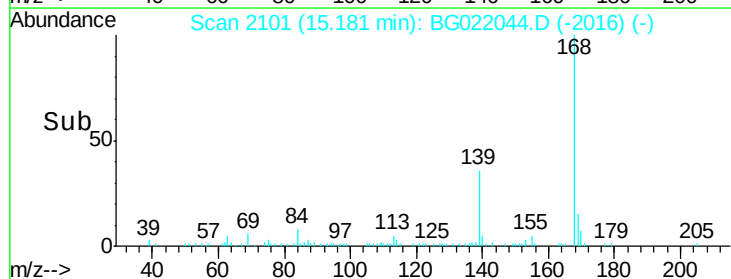
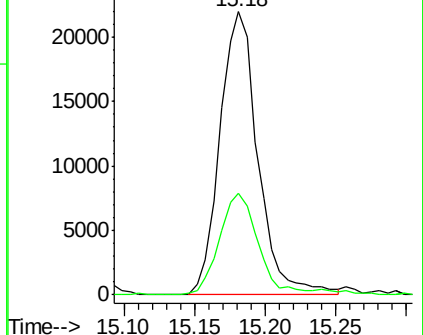
168 100

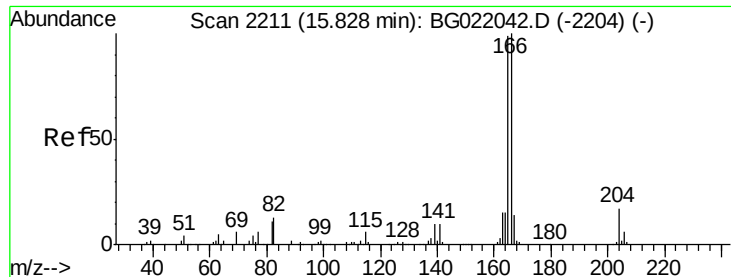
139 35.8 27.4 41.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 7.00 ng/ul

RT: 15.83 min Scan# 2211

Delta R.T. -0.00 min

Lab File: BG022044.D

Acq: 23 May 2016 12:37

Instrument :

BNA_G

ClientSampleId :

JHGF5

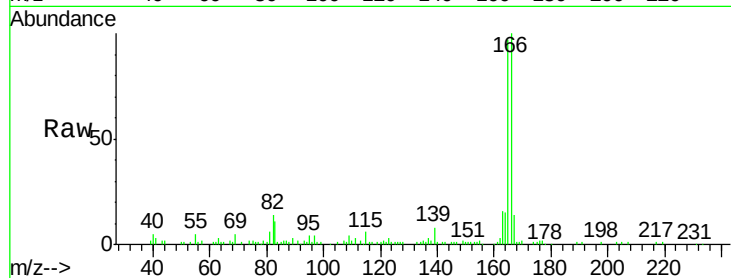
Tgt Ion:166 Resp: 55194

Ion Ratio Lower Upper

166 100

165 97.5 80.3 120.5

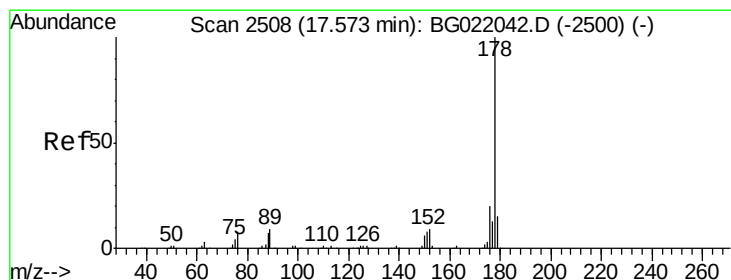
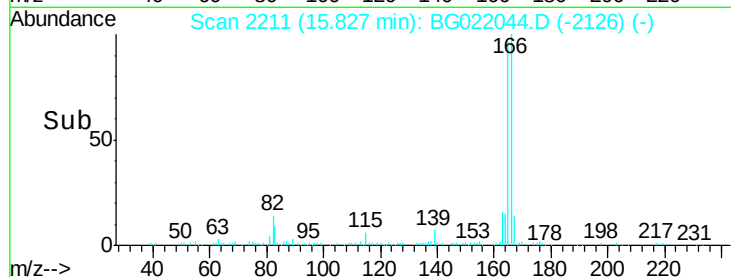
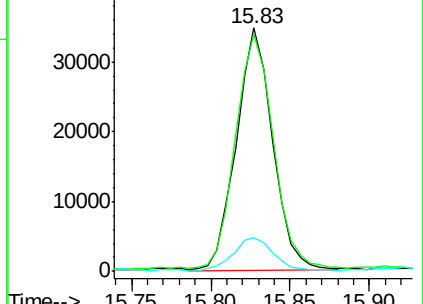
167 13.8 10.3 15.5



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 54.38 ng/ul

RT: 17.57 min Scan# 2508

Delta R.T. -0.00 min

Lab File: BG022044.D

Acq: 23 May 2016 12:37

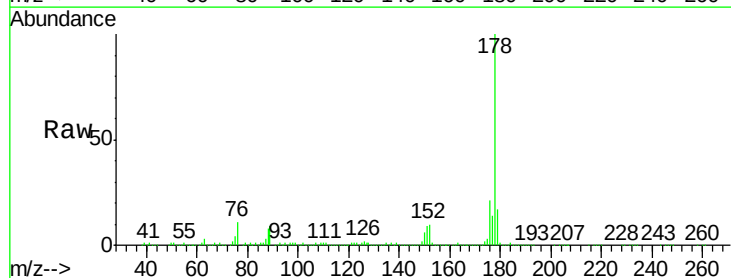
Tgt Ion:178 Resp: 569572

Ion Ratio Lower Upper

178 100

179 16.8 12.9 19.3

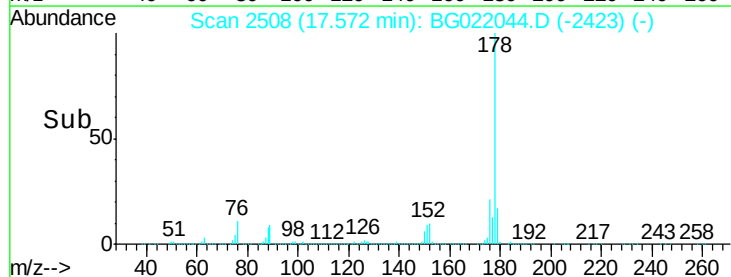
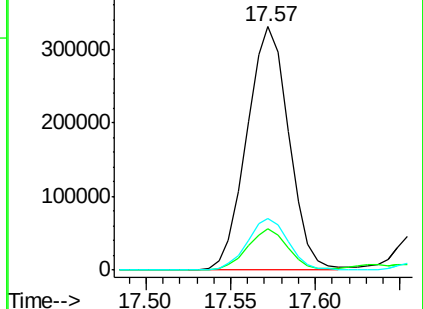
176 21.2 15.8 23.8

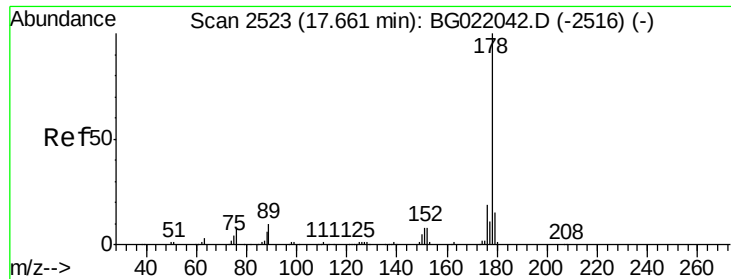


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 9.43 ng/ul

RT: 17.66 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BG022044.D

Acq: 23 May 2016 12:37

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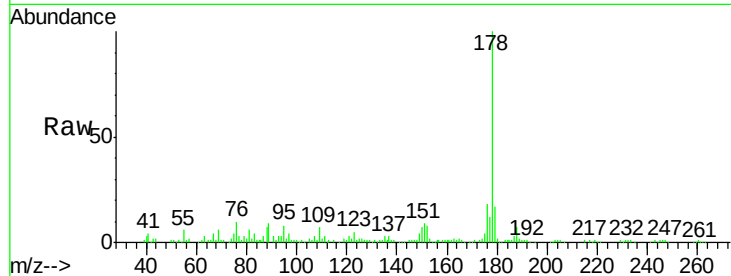
Tgt Ion:178 Resp: 100000

Ion Ratio Lower Upper

178 100

179 17.5 12.3 18.5

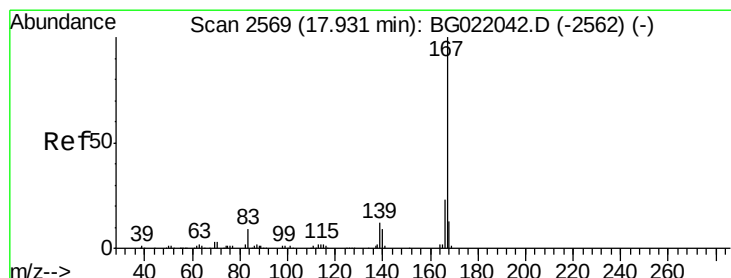
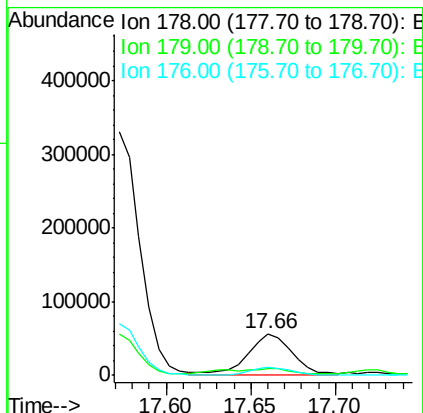
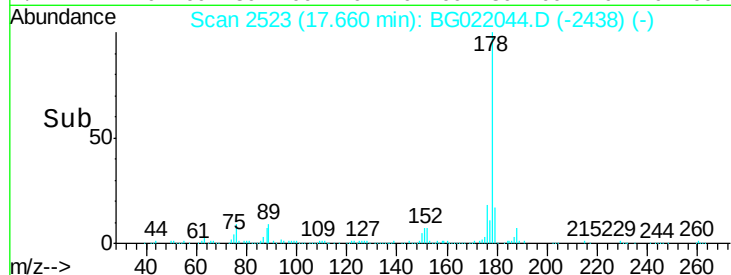
176 18.2 16.3 24.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Carbazole

Concen: 7.42 ng/ul

RT: 17.93 min Scan# 2569

Delta R.T. -0.00 min

Lab File: BG022044.D

Acq: 23 May 2016 12:37

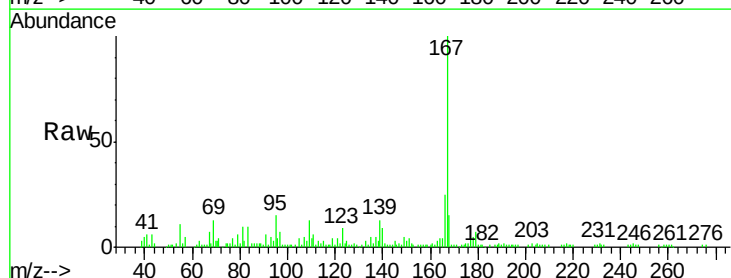
Tgt Ion:167 Resp: 68241

Ion Ratio Lower Upper

167 100

166 24.9 19.2 28.8

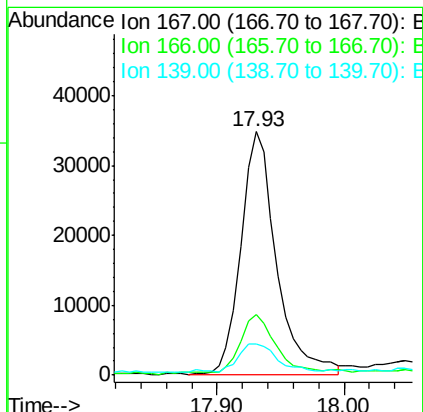
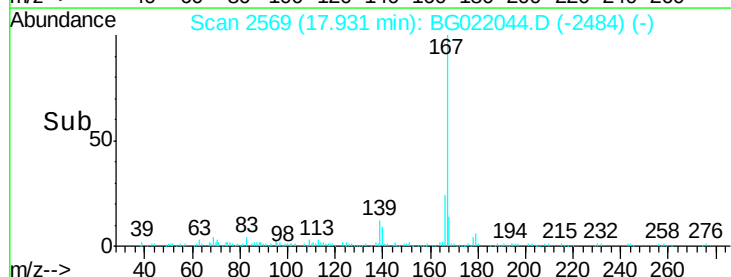
139 12.8 10.2 15.4

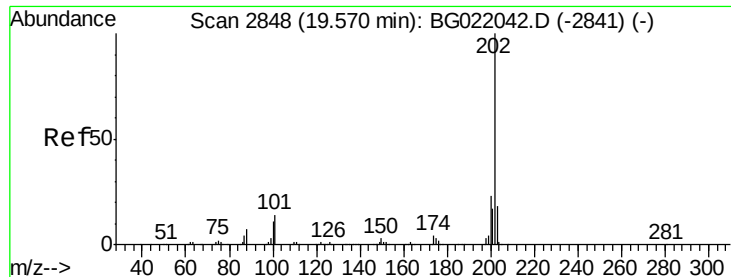


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 45.05 ng/ul

RT: 19.57 min Scan# 2848

Delta R.T. -0.00 min

Lab File: BG022044.D

Acq: 23 May 2016 12:37

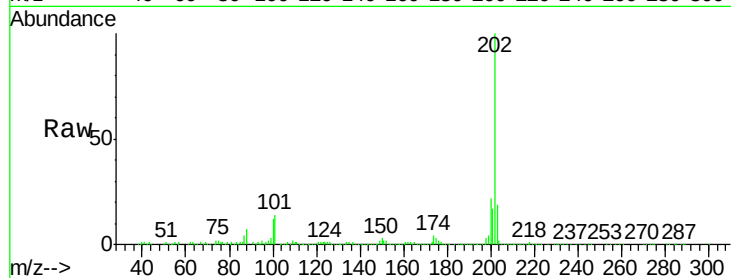
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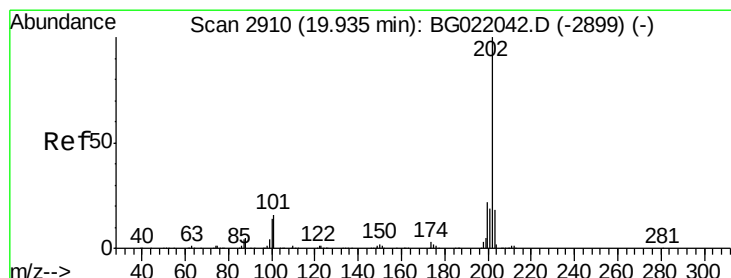
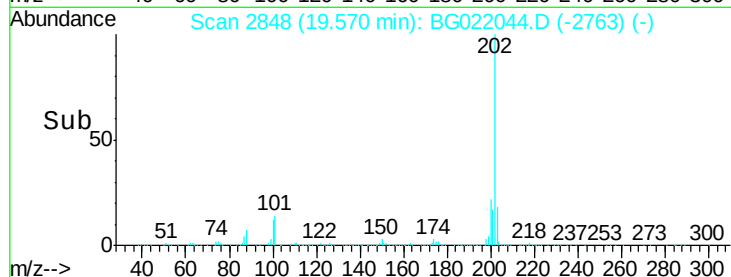
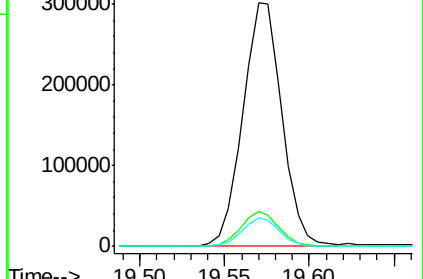
Tgt Ion:	202	Resp:	482191
Ion	Ratio	Lower	Upper
202	100		
101	14.4	10.6	16.0
100	11.5	8.7	13.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 37.71 ng/ul

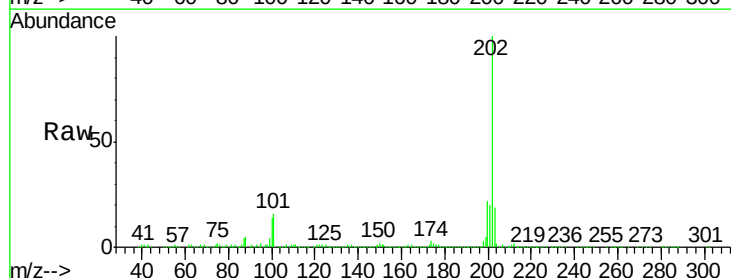
RT: 19.93 min Scan# 2910

Delta R.T. -0.00 min

Lab File: BG022044.D

Acq: 23 May 2016 12:37

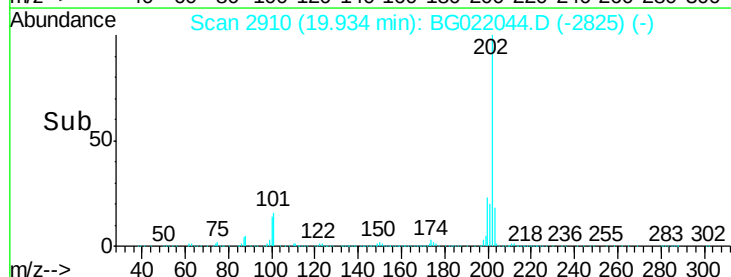
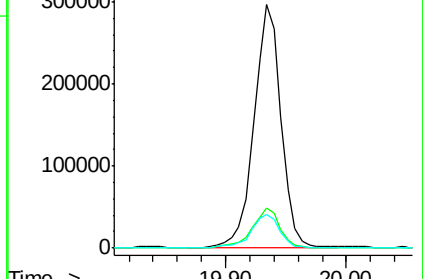
Tgt Ion:	202	Resp:	462163
Ion	Ratio	Lower	Upper
202	100		
101	16.3	12.5	18.7
100	13.8	10.2	15.4

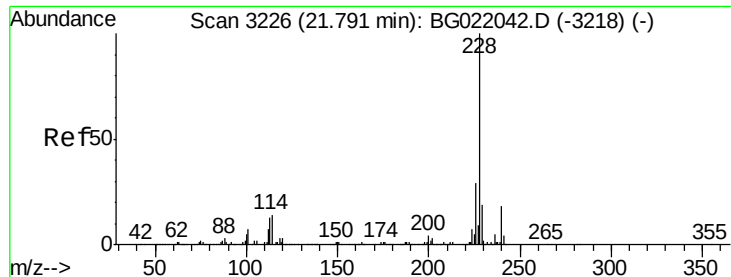


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 16.30 ng/ul

RT: 21.79 min Scan# 3226

Delta R.T. -0.00 min

Lab File: BG022044.D

Acq: 23 May 2016 12:37

Instrument :

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ClientSampleId :

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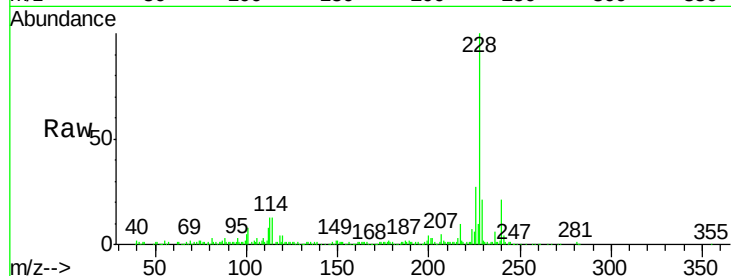
Tgt Ion:228 Resp: 166537

Ion Ratio Lower Upper

228 100

229 20.8 15.4 23.2

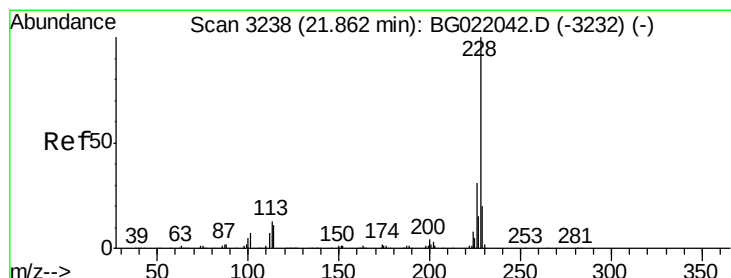
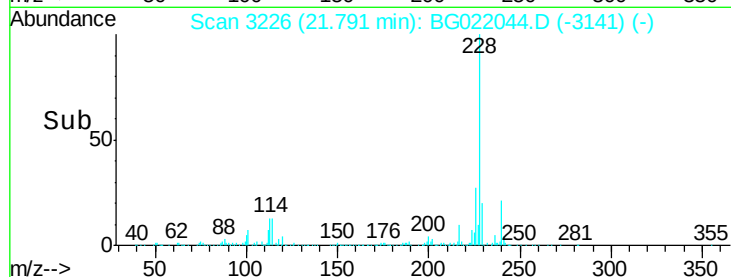
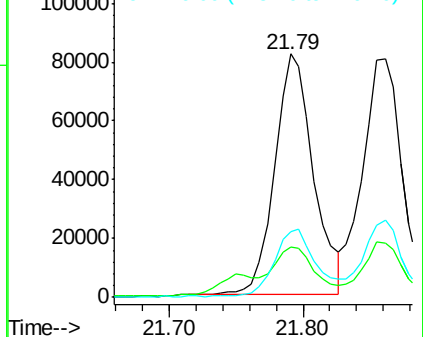
226 27.0 22.8 34.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#82

Chrysene

Concen: 17.00 ng/ul

RT: 21.79 min Scan# 3226

Delta R.T. -0.07 min

Lab File: BG022044.D

Acq: 23 May 2016 12:37

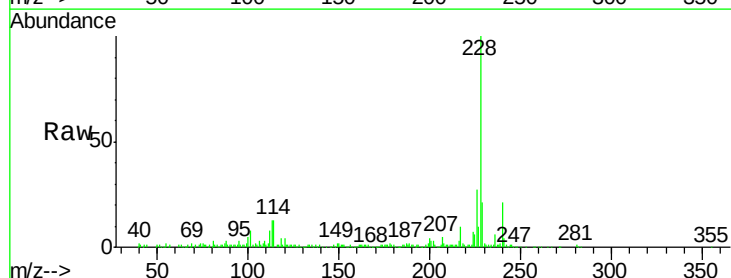
Tgt Ion:228 Resp: 166537

Ion Ratio Lower Upper

228 100

226 27.0 24.2 36.4

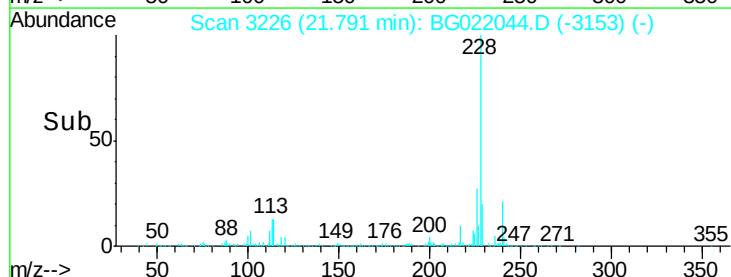
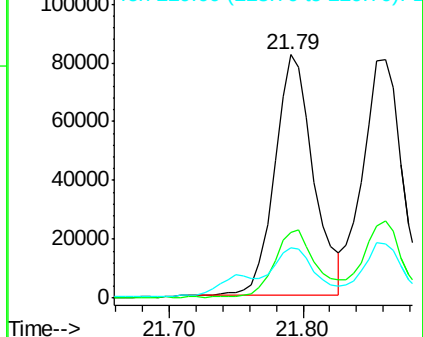
229 20.8 15.0 22.6

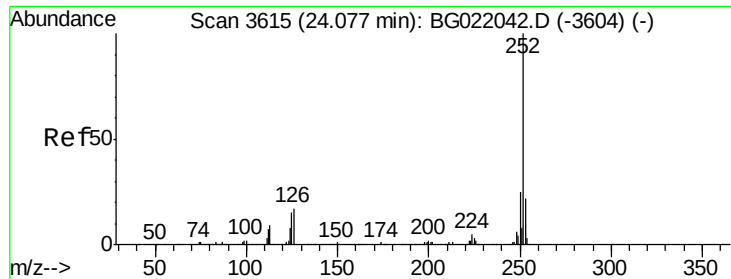


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

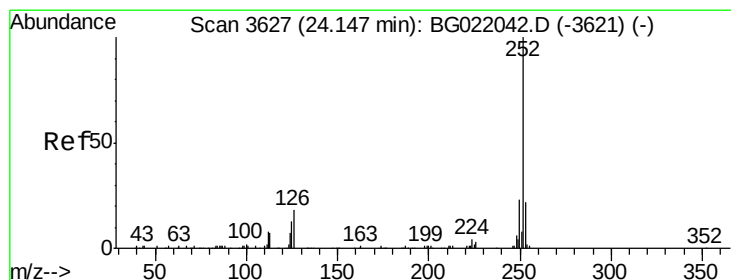
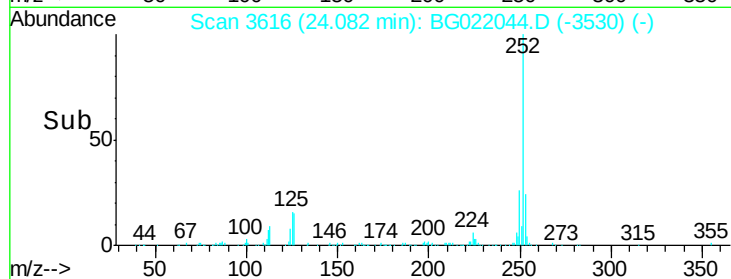
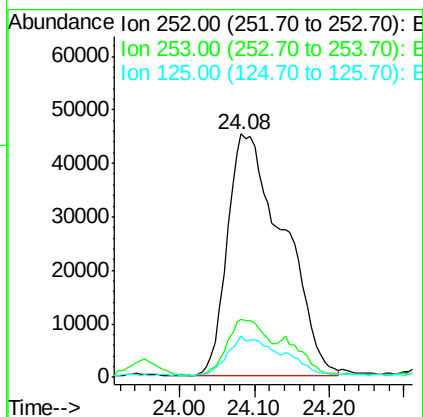
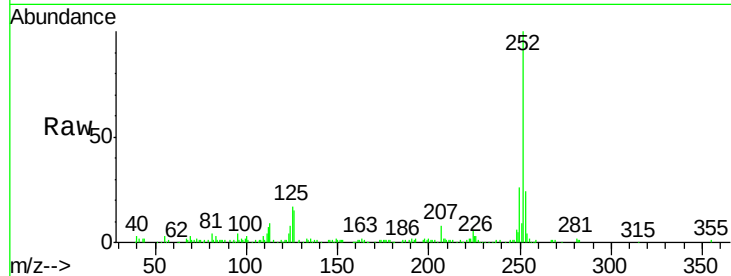




#85
Benzo(b)fluoranthene
Concen: 24.82 ng/ul
RT: 24.08 min Scan# 3616
Delta R.T. 0.01 min
Lab File: BG022044.D
Acq: 23 May 2016 12:37

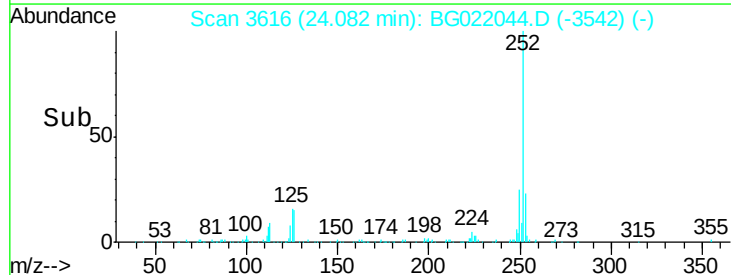
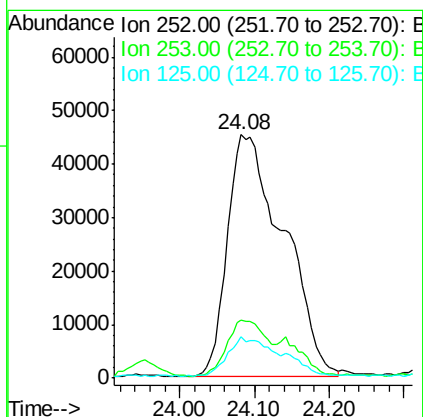
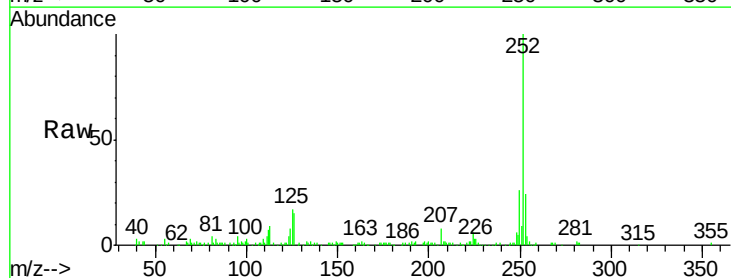
Instrument :
BNA_G
ClientSampleId :
JHGF5

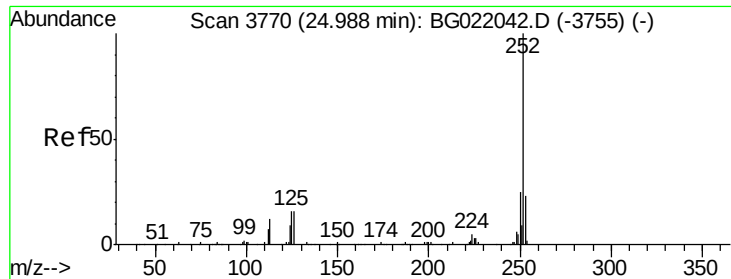
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	17.0	10.8	16.2#



#86
Benzo(k)fluoranthene
Concen: 25.51 ng/ul
RT: 24.08 min Scan# 3616
Delta R.T. -0.07 min
Lab File: BG022044.D
Acq: 23 May 2016 12:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	15.8	23.6#
125	17.0	10.6	16.0#





#88

Benzo(a)pyrene

Concen: 16.20 ng/ul

RT: 24.99 min Scan# 3770

Delta R.T. -0.00 min

Lab File: BG022044.D

Acq: 23 May 2016 12:37

Instrument :

BNA_G

ClientSampleId :

JHGF5

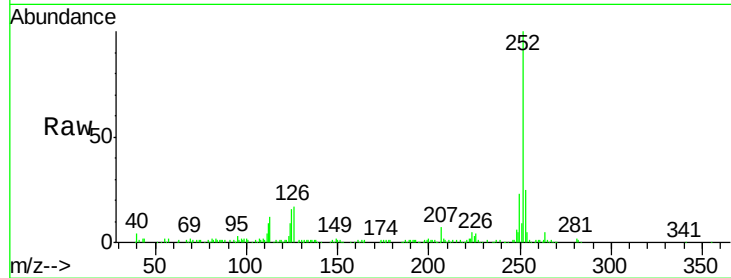
Tgt Ion:252 Resp: 149360

Ion Ratio Lower Upper

252 100

253 25.2 19.0 28.4

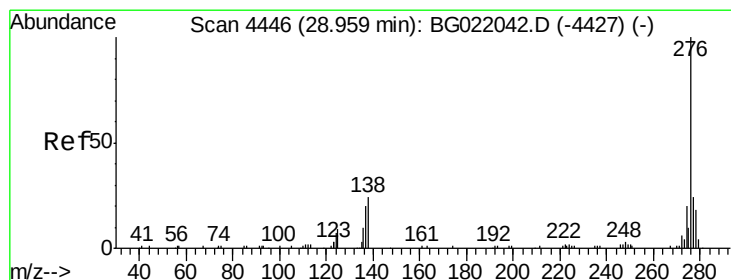
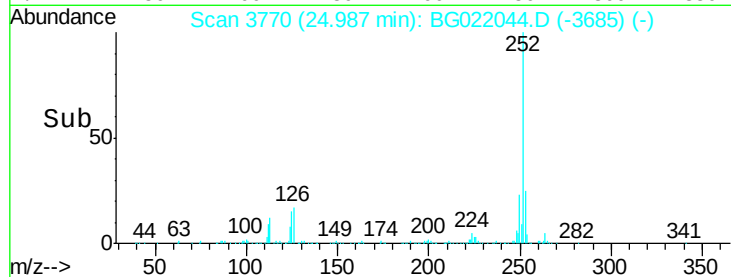
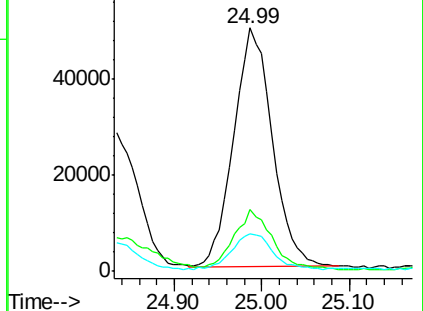
125 15.6 12.0 18.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Indeno(1,2,3-cd)pyrene

Concen: 7.08 ng/ul

RT: 28.97 min Scan# 4448

Delta R.T. 0.01 min

Lab File: BG022044.D

Acq: 23 May 2016 12:37

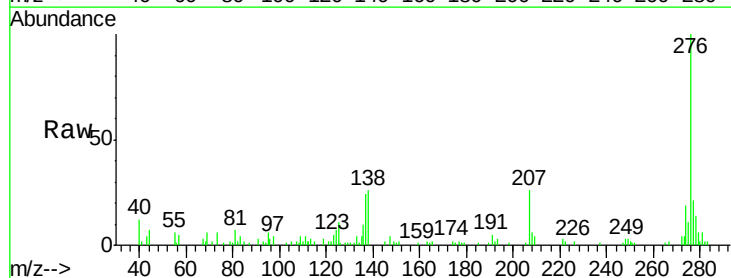
Tgt Ion:276 Resp: 74853

Ion Ratio Lower Upper

276 100

138 26.3 20.8 31.2

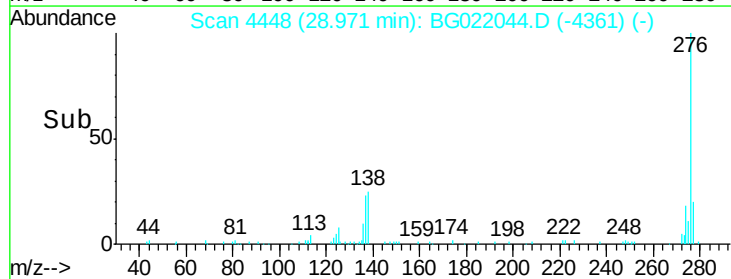
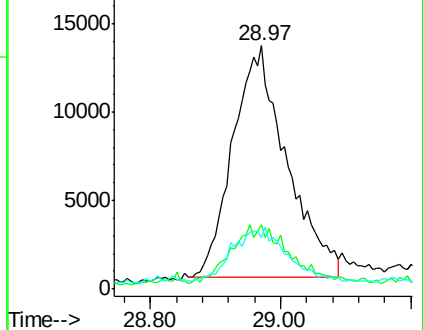
277 21.1 17.6 26.4

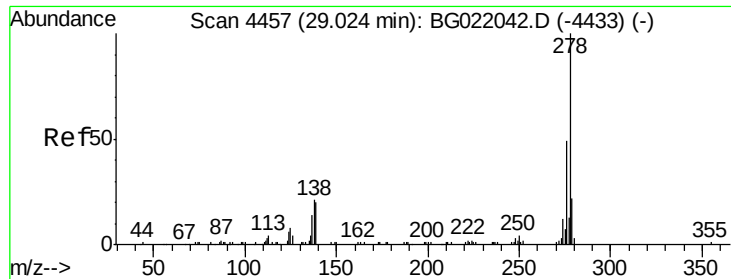


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.20 ng/ul

RT: 29.01 min Scan# 4454

Delta R.T. -0.02 min

Lab File: BG022044.D

Acq: 23 May 2016 12:37

Instrument :

BNA_G

ClientSampleId :

JHGF5

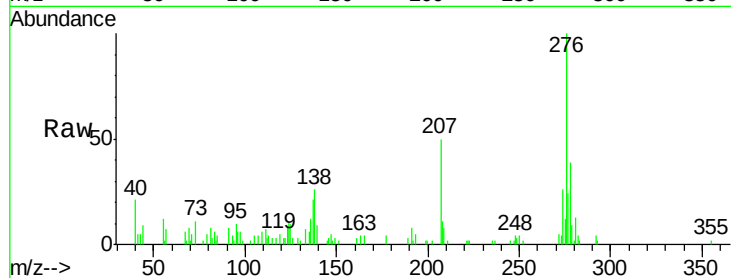
Tgt Ion:278 Resp: 10639

Ion Ratio Lower Upper

278 100

139 22.1 16.3 24.5

279 23.9 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

